

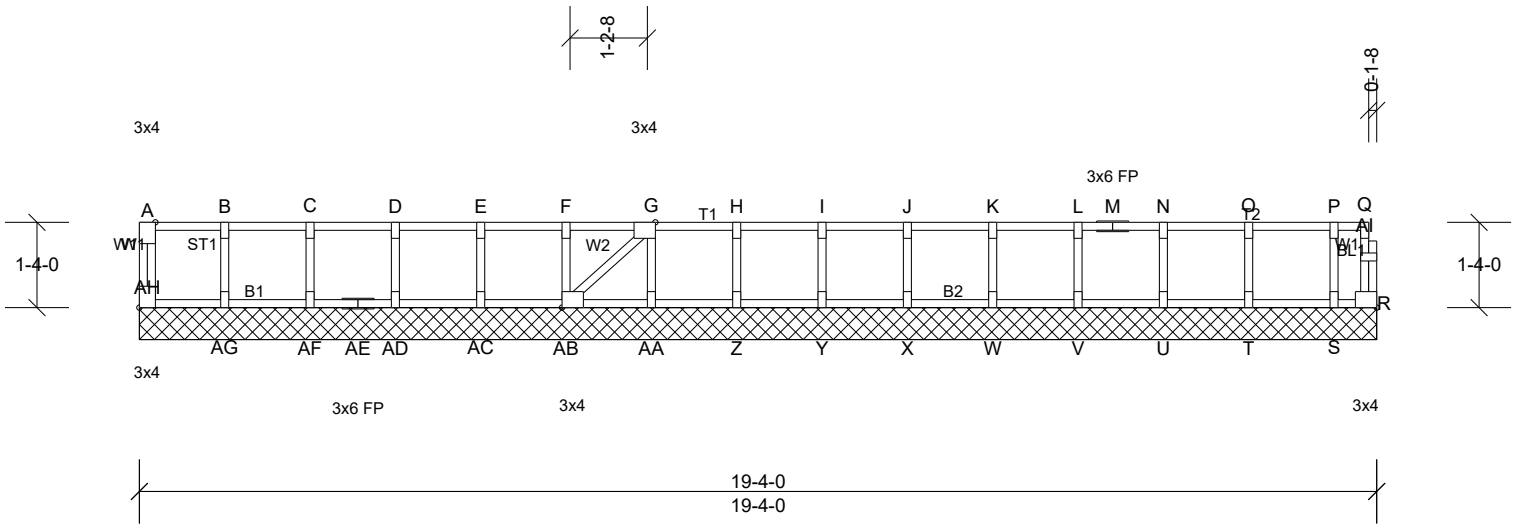
Job 3894021	Truss F01	Truss Type Floor Supported Gable	Qty 1	Ply 1	Furr, Mayview B Job Reference (optional)
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Builders FirstSource, Ernesto Barros

Run: 8.63 S Jan 12 2023 Print: 8.630 S Jan 12 2023 MiTek Industries, Inc. Fri Feb 23 09:56:56

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Scale = 1:36.2

Plate Offsets (X, Y): [G:0-1-8,Edge], [AB:0-1-8,Edge], [AH:Edge,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 88 lb	FT = 20%F, 11%E

LUMBER
 TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 19-4-0.
 (lb) - Max Grav All reactions 250 (lb) or less at joint(s) R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AF, AG, AH

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

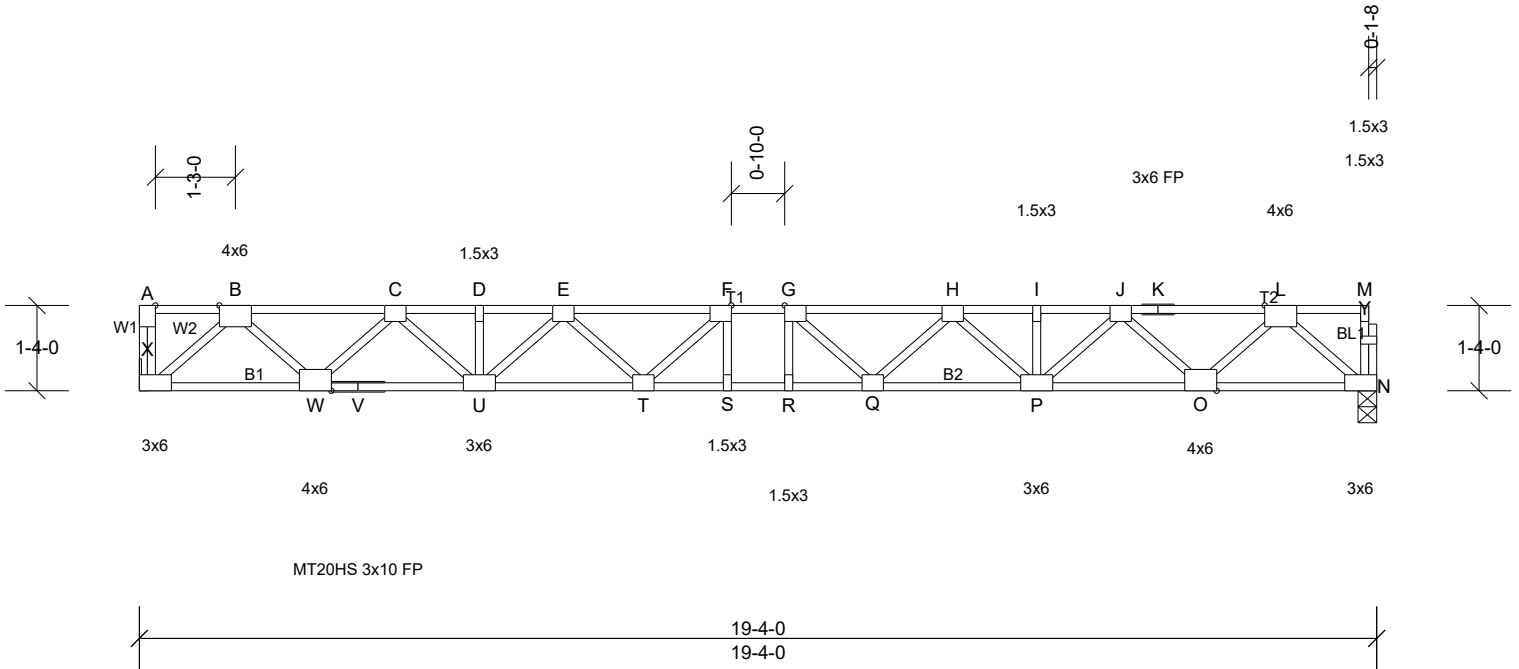
Job 3894021	Truss F02	Truss Type Floor	Qty 8	Ply 1	Furr, Mayview B Job Reference (optional)
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Scale = 1:36.2

Plate Offsets (X, Y): [F:0-1-8,Edge], [G:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.70	Vert(LL)	-0.31	R-S	>739	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.43	R-S	>538	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.08	N	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S								
											Weight: 104 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat) *Except* B2:2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) N=1043/0-3-8, (min. 0-1-8), X=1050/ Mechanical, (min. 0-1-8)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1937/0, C-D=-3271/0, D-E=-3271/0, E-F=-3955/0, F-G=-4151/0, G-H=-3955/0, H-I=-3271/0, I-J=-3271/0, J-K=-1936/0, K-L=-1936/0
 BOT CHORD W-X=0/1136, V-W=0/2707, U-V=0/2707, T-U=0/3746, S-T=0/4151, R-S=0/4151, Q-R=0/4151, P-Q=0/3746, O-P=0/2707, N-O=0/1135
 WEBS L-N=-1509/0, L-O=0/1114, J-O=-1073/0, J-P=0/765, B-X=-1512/0, B-W=0/1114, C-W=-1072/0, C-U=0/766, E-U=-647/0, E-T=0/412, H-P=-647/0, H-Q=0/412, G-Q=-485/97, F-T=-484/97

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x4 MT20 unless otherwise indicated.
- 4) Refer to girder(s) for truss to truss connections.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

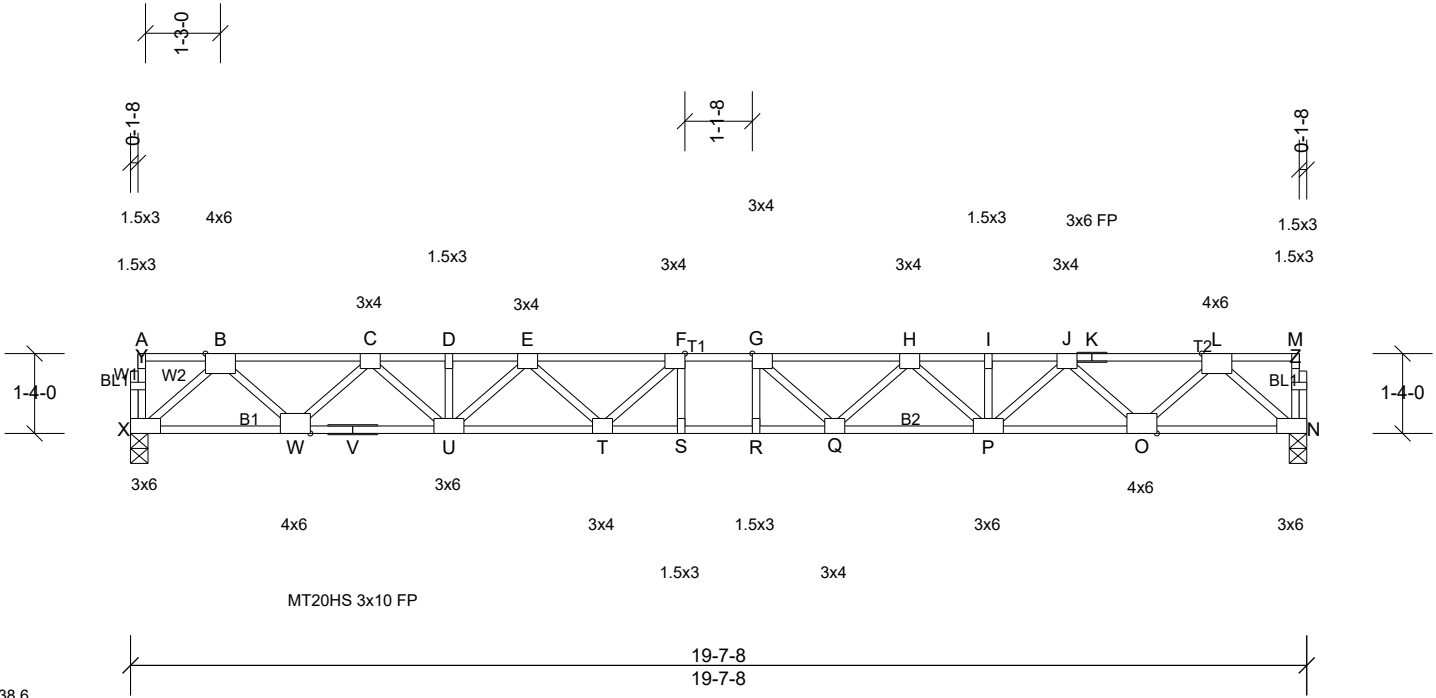
Job 3894021	Truss F03	Truss Type Floor	Qty 4	Ply 1	Furr, Mayview B Job Reference (optional)
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Scale = 1:38.6

Plate Offsets (X, Y): [F:0-1-8,Edge], [G:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.73	Vert(LL)	-0.33	R-S	>707	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.45	R-S	>514	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.08	N	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S								
											Weight: 105 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat) *Except* B2:2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) N=1059/0-3-8, (min. 0-1-8), X=1059/0-3-8, (min. 0-1-8)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1971/0, C-D=-3339/0, D-E=-3339/0, E-F=-4057/0, F-G=-4270/0, G-H=-4057/0, H-I=-3339/0, I-J=-3339/0, J-K=-1971/0, K-L=-1971/0
 BOT CHORD W-X=0/1153, V-W=0/2759, U-V=0/2759, T-U=0/3833, S-T=0/4270, R-S=0/4270, Q-R=0/4270, P-Q=0/3833, O-P=0/2759, N-O=0/1153
 WEBS L-N=-1533/0, L-O=0/1137, J-O=-1096/0, J-P=0/789, H-P=-671/0, H-Q=0/437, G-Q=-531/95, B-X=-1533/0, B-W=0/1137, C-W=-1096/0, C-U=0/789, E-U=-671/0, E-T=0/438, F-T=-531/95

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 1.5x3 MT20 unless otherwise indicated.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

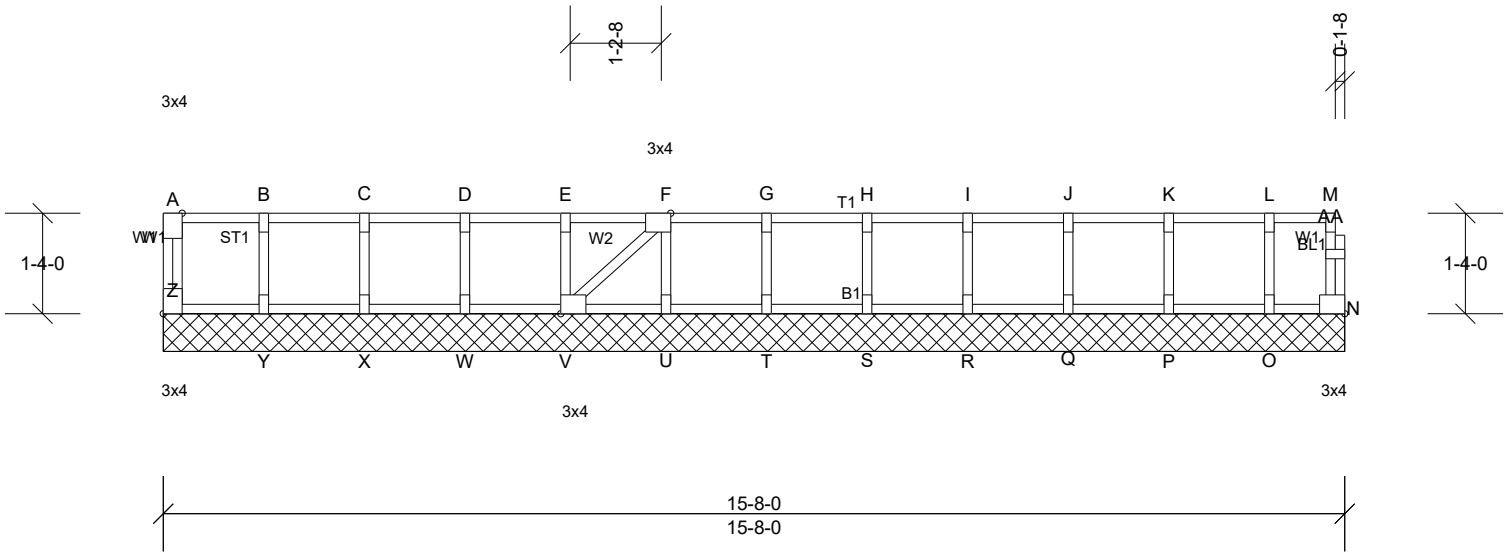
Job 3894021	Truss F04	Truss Type Floor Supported Gable	Qty 1	Ply 1	Furr, Mayview B Job Reference (optional)
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Scale = 1:30.7

Plate Offsets (X, Y): [F:0-1-8,Edge], [V:0-1-8,Edge], [Z:Edge,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 73 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 15-8-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) N, O, P, Q, R, S, T, U, V, W, X, Y, Z

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

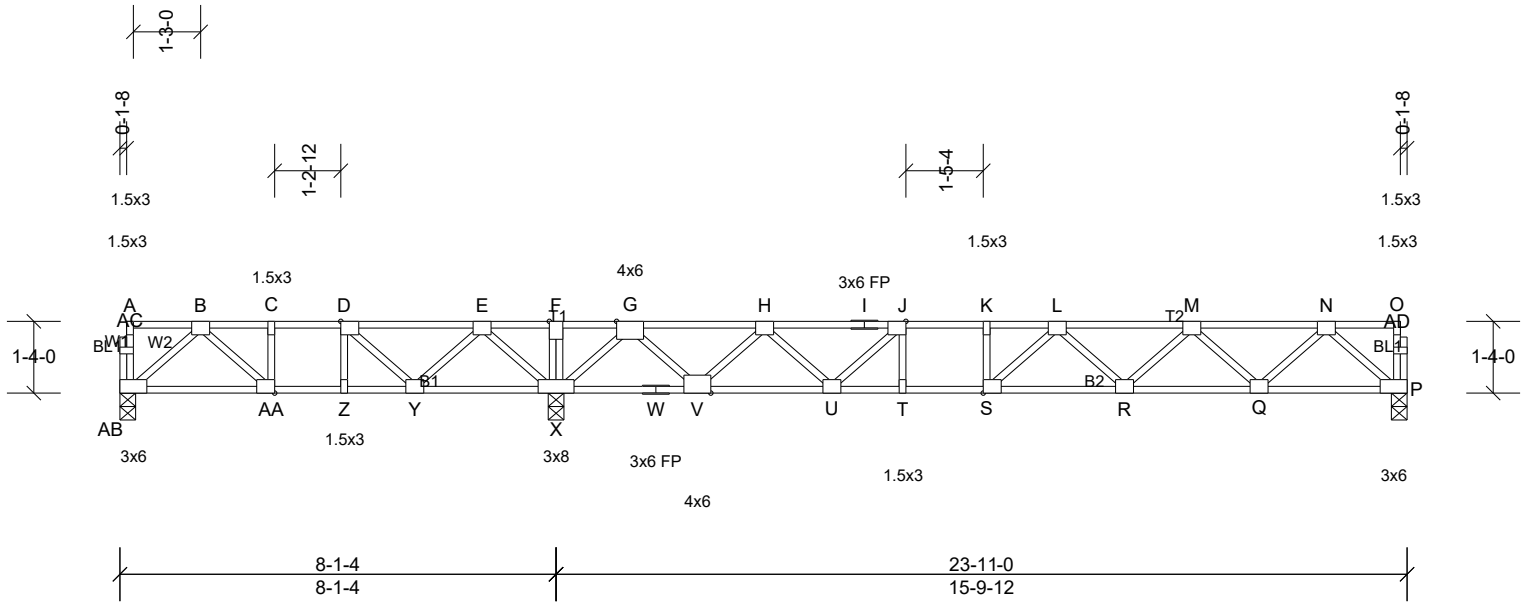
Job 3894021	Truss F05	Truss Type Floor	Qty 1	Ply 1	Furr, Mayview B Job Reference (optional)
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Scale = 1:43

Plate Offsets (X, Y): [D:0-1-8,Edge], [J:0-1-8,Edge], [S:0-1-8,Edge], [AA:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.15	R-S	>999	480	MT20 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.21	R-S	>901	360	
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	P	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 126 lb FT = 20%F, 11%E

LUMBER

TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat) *Except* B2:2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) P=751/0-3-8, (min. 0-1-8), X=1613/0-3-8, (min. 0-1-8),
 AB=226/0-3-8, (min. 0-1-8)
 Max Uplift AB=-52 (LC 4)
 Max Grav P=770 (LC 7), X=1613 (LC 1), AB=342 (LC 3)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-455/278, C-D=-455/278, D-E=-211/579, E-F=0/1385, F-G=0/1385, G-H=-603/73, H-I=-1685/0, I-J=-1685/0, J-K=-2165/0, K-L=-2165/0, L-M=-2083/0, M-N=-1345/0
 BOT CHORD AA-AB=-87/321, Z-AA=-278/455, Y-Z=-278/455, X-Y=-828/0, W-X=-355/0, V-W=-355/0, U-V=0/1269, T-U=0/2165, S-T=0/2165, R-S=0/2262, Q-R=0/1848, P-Q=0/822
 WEBS N-P=-1091/0, N-Q=0/729, M-Q=-699/0, M-R=0/327, L-S=-338/155, G-X=-1372/0, G-V=0/998, H-U=0/614, H-V=-955/0, J-U=-736/0, E-X=-863/0, B-AB=-423/116, B-AA=-260/183, E-Y=0/544, D-Y=-591/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint AB.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

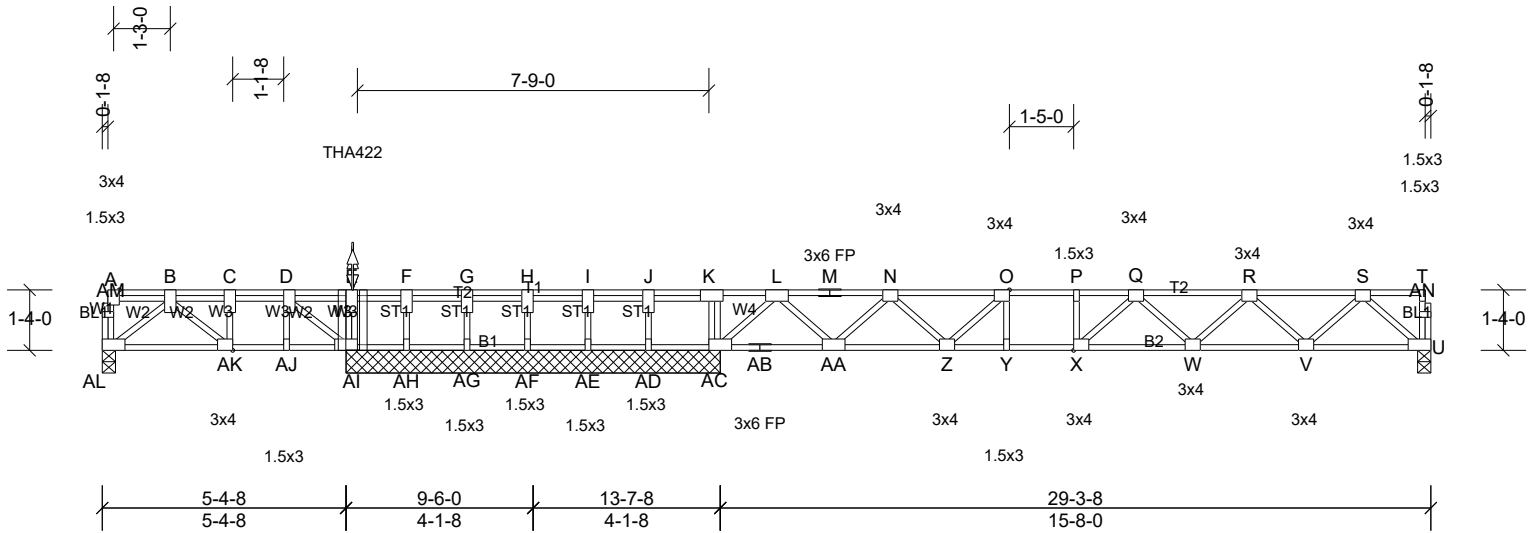
Job 3894021	Truss F06	Truss Type Floor Girder	Qty 1	Ply 1	Furr, Mayview B Job Reference (optional)
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Scale = 1:51

Plate Offsets (X, Y): [O:0-1-8,Edge], [X:0-1-8,Edge], [AK:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.16	W-X	>999	480	MT20 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.22	W-X	>847	360	
BCLL	0.0	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.03	U	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 166 lb FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 8-3-0. except AL=0-3-8, U=0-3-8
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) AD, AL
Max Grav All reactions 250 (lb) or less at joint(s) AD, AE, AF, AG, AH, AL except U=789 (LC 4), AC=1078 (LC 1), AI=1226 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-192/386, C-D=-192/386, D-E=0/840, E-F=0/840, F-G=0/840, G-H=0/840, H-I=0/840, I-J=0/840, J-K=0/840, K-L=0/856, L-M=-807/0, M-N=-807/0, N-O=-1853/0, O-P=-2293/0, P-Q=-2293/0, Q-R=-2158/0, R-S=-1386/0
BOT CHORD AJ-AK=-386/192, AI-AJ=-386/192, AH-AI=-840/0, AG-AH=-840/0, AF-AG=-840/0, AE-AF=-840/0, AD-AE=-840/0, AC-AD=-840/0, Z-AA=0/1458, Y-Z=0/2293, X-Y=0/2293, W-X=0/2360, V-W=0/1906, U-V=0/842
WEBS E-AI=-816/0, S-U=-1119/0, S-V=0/756, R-V=-724/0, R-W=0/350, Q-W=-281/0, L-AC=-1314/0, L-AA=0/936, N-AA=-906/0, N-Z=0/549, O-Z=-599/0, B-AL=-288/153, D-AI=-864/0, B-AK=-357/0

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x6 MT20 unless otherwise indicated.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) AL, AD.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 8) CAUTION, Do not erect truss backwards.
 - 9) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 5-6-4 from the left end to connect truss(es) F13 (1 ply 2x4 SP) to back face of top chord.
 - 10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: U-AL=-10, A-T=-100
Concentrated Loads (lb)
Vert: E=-764

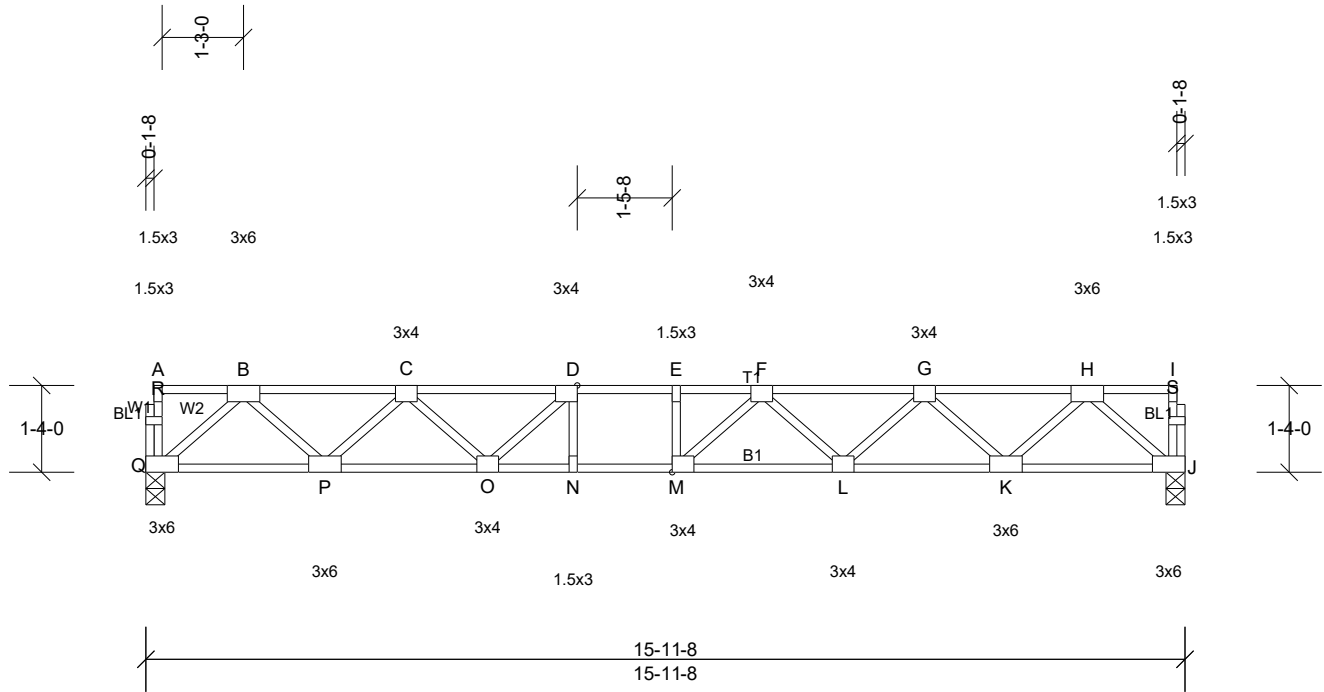
Job 3894021	Truss F07	Truss Type Floor	Qty 13	Ply 1	Furr, Mayview B Job Reference (optional)
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Scale = 1:35.5

Plate Offsets (X, Y): [D:0-1-8,Edge], [M:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.17	L-M	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.23	L-M	>809	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.05	J	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 83 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) J=858/0-3-8, (min. 0-1-8), Q=858/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1538/0, C-D=-2439/0, D-E=-2773/0, E-F=-2773/0, F-G=-2444/0, G-H=-1537/0
BOT CHORD P-Q=0/923, O-P=0/2121, N-O=0/2773, M-N=0/2773, L-M=0/2725, K-L=0/2126, J-K=0/921
WEBS H-J=-1223/0, H-K=0/857, G-K=-820/0, G-L=0/441, B-Q=-1226/0, B-P=0/856, C-P=-811/0, C-O=0/483, F-L=-391/0, D-O=-579/0, F-M=-187/370

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

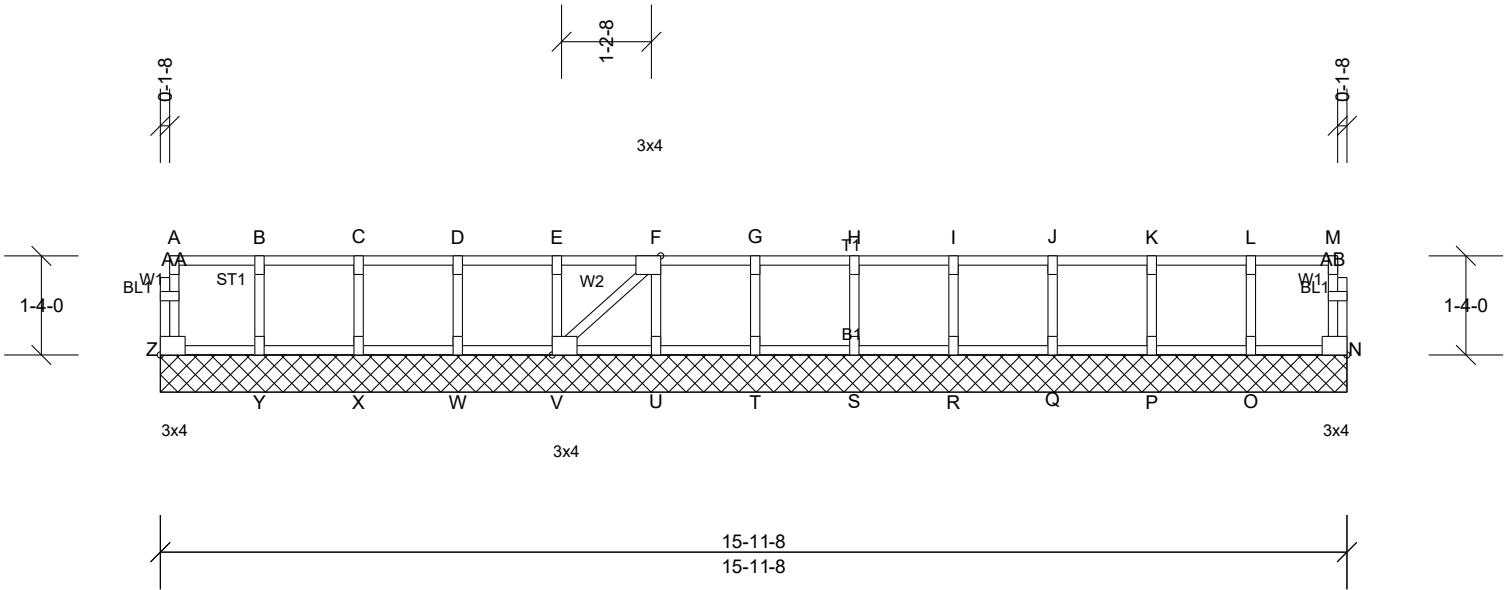
Job 3894021	Truss F08	Truss Type Floor Supported Gable	Qty 1	Ply 1	Furr, Mayview B Job Reference (optional)
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Builders FirstSource, Ernesto Barros

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ID:PyLj4o8_vs97_l?KNHErMVy6QMz-g_KwR6zCqldmPJx_i7SYmGpkjBSSJ8h15yNt0pzilt5



Scale = 1:31.1

Plate Offsets (X, Y): [F:0-1-8,Edge], [V:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 73 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 15-11-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) N, O, P, Q, R, S, T, U, V, W, X, Y, Z

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

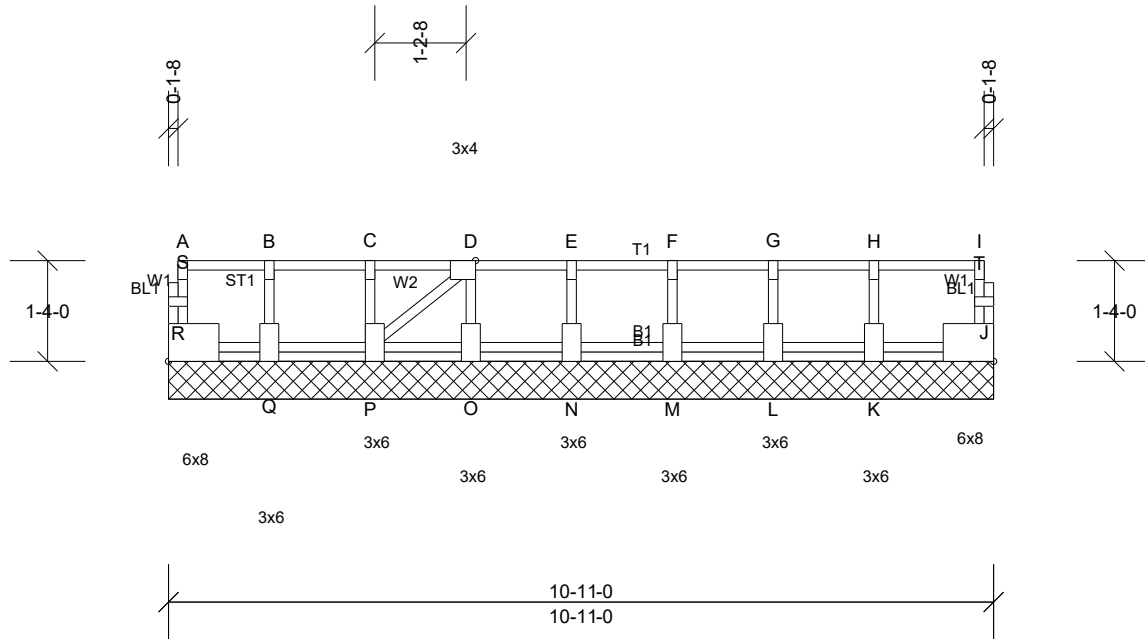
Job 3894021	Truss F09	Truss Type Floor Supported Gable	Qty 1	Ply 1	Furr, Mayview B Job Reference (optional)
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ID:UWI_95oKkT2ovNrQy0EqnFzPnaG-g_KwR6zCqldmPJx_i7SYmGpkObSbJ8X15yNT0pzilt5



Scale = 1:30.6

Plate Offsets (X, Y): [D:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.00	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 66 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 10-11-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) J, K, L, M, N, O, P, Q, R

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

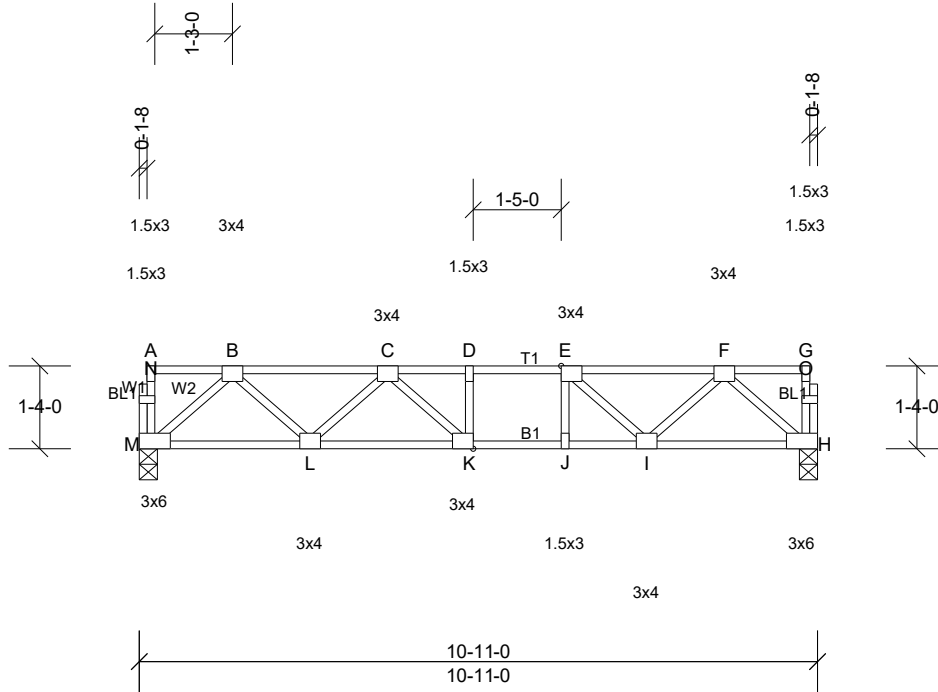
Job 3894021	Truss F10	Truss Type Floor	Qty 5	Ply 1	Furr, Mayview B Job Reference (optional)
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ID:8NWNpqMAvbrGRRMGeh3cezxPnZY-ComXDmya3?VvnAMo8QxJD3GVIB?TaeTtsleKUMzilt6



Scale = 1:37.2

Plate Offsets (X, Y): [E:0-1-8,Edge], [K:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.07	K-L	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.09	K-L	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.02	H	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 58 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) H=580/0-3-8, (min. 0-1-8), M=580/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-938/0, C-D=-1267/0, D-E=-1267/0, E-F=-934/0
BOT CHORD L-M=0/612, K-L=0/1225, J-K=0/1267, I-J=0/1267, H-I=0/607
WEBS B-M=-812/0, B-L=0/454, C-L=-400/0, F-H=-805/0, F-I=0/455, E-I=-460/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

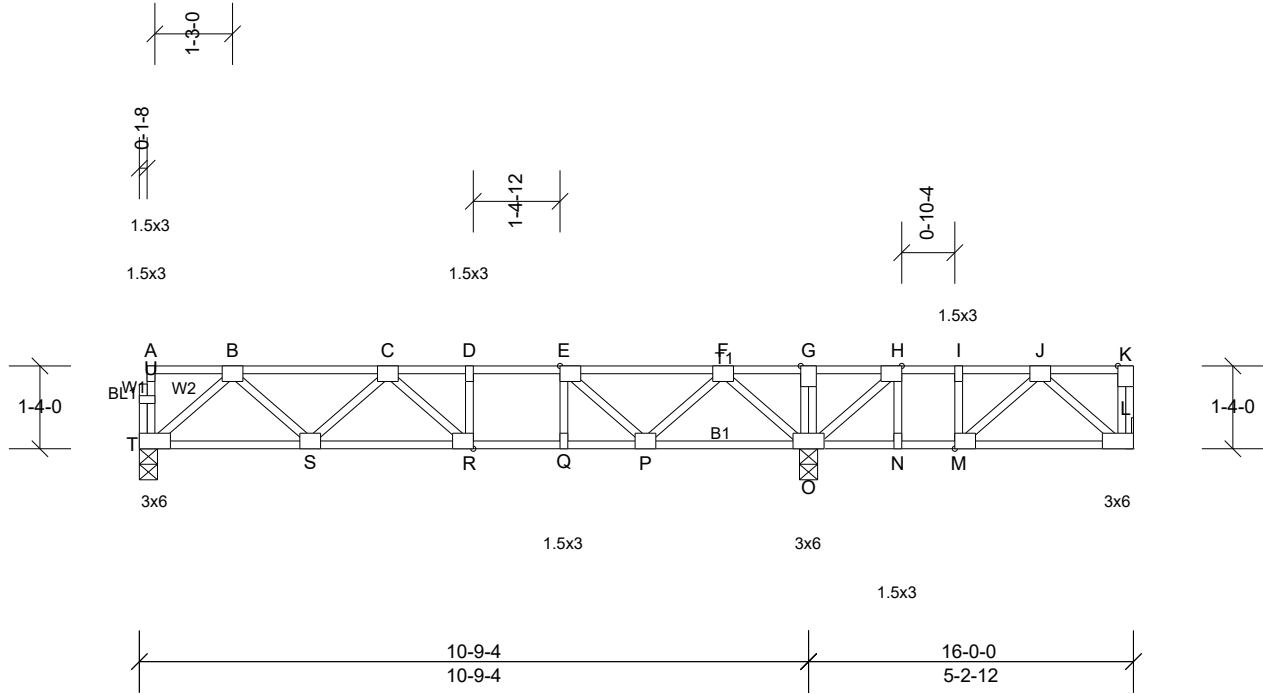
Job 3894021	Truss F11	Truss Type Floor	Qty 2	Ply 1	Furr, Mayview B Job Reference (optional)
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ID: _E9vl0UaSg1YUp5yeDun3zPnWo-g_KwR6zCqldmPjx_i7SYmGpg1bKiJ5P15yNt0pzllt5



Scale = 1:37.2

Plate Offsets (X, Y): [E:0-1-8,Edge], [H:0-1-8,Edge], [M:0-1-8,Edge], [R:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.06	R-S	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.09	R-S	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	L	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 88 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) L=219/ Mechanical, (min. 0-1-8), O=958/0-3-8, (min. 0-1-8),
T=550/0-3-8, (min. 0-1-8)
Max Grav L=277 (LC 7), O=958 (LC 1), T=555 (LC 10)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-884/0, C-D=-1141/0, D-E=-1141/0, E-F=-768/0, F-G=0/316, G-H=0/316, H-I=-268/99, I-J=-268/99
BOT CHORD S-T=0/583, R-S=0/1142, Q-R=0/1141, P-Q=0/1141, O-P=0/415, N-O=-99/268, M-N=-99/268
WEBS B-T=-773/0, B-S=0/419, C-S=-359/0, F-O=-845/0, F-P=0/510, E-P=-537/0, H-O=-521/0, J-L=-318/21

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

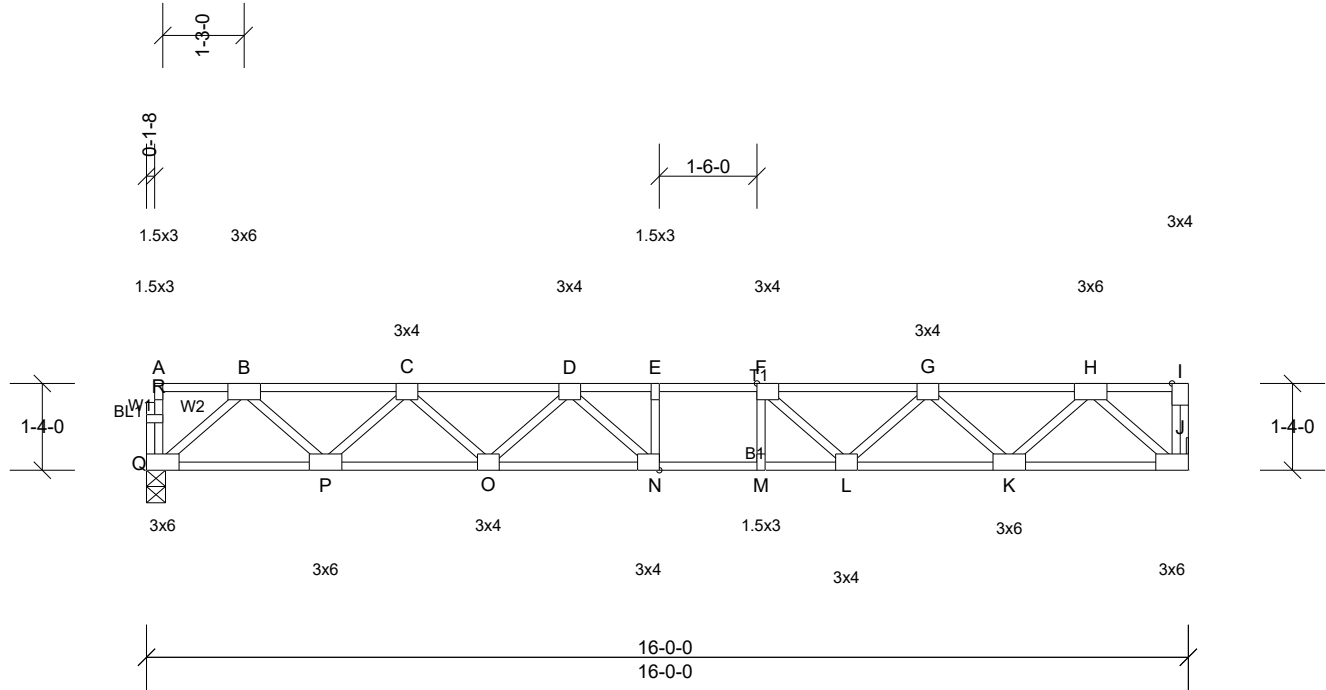
Job 3894021	Truss F12	Truss Type Floor	Qty 1	Ply 1	Furr, Mayview B Job Reference (optional)
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Scale = 1:35.5

Plate Offsets (X, Y): [F:0-1-8,Edge], [N:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.17	N-O	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.24	N-O	>794	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.05	J	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 84 lb	FT = 20%F, 11%E

LUMBER
 TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) J=866/ Mechanical, (min. 0-1-8), Q=860/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1542/0, C-D=-2454/0, D-E=-2787/0, E-F=-2787/0, F-G=-2449/0, G-H=-1543/0
 BOT CHORD P-Q=0/924, O-P=0/2134, N-O=0/2737, M-N=0/2787, L-M=0/2787, K-L=0/2128, J-K=0/926
 WEBS B-Q=-1227/0, B-P=0/860, C-P=-823/0, C-O=0/445, D-O=-394/0, H-J=-1233/0, H-K=0/859, G-K=-813/0, G-L=0/487, F-L=-586/0, D-N=-185/376

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

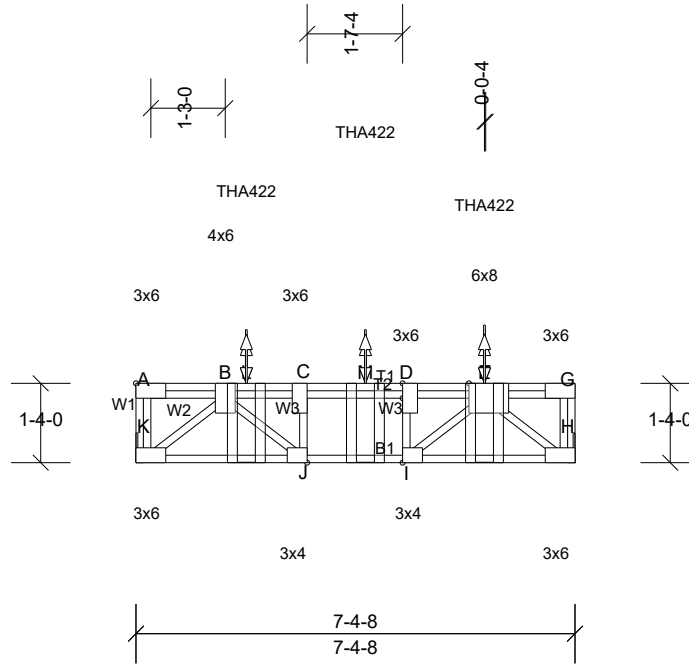
Job 3894021	Truss F13	Truss Type Floor Girder	Qty 1	Ply 1	Furr, Mayview B Job Reference (optional)
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Scale = 1:38.9

Plate Offsets (X, Y): [D:0-3-0,Edge], [F:0-3-2,Edge], [I:0-1-8,Edge], [J:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.03	H-I	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.05	H-I	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.01	H	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 51 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat)
 WEBS 2x4 SP No.3(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) H=1143/ Mechanical, (min. 0-1-8), K=760/ Mechanical, (min. 0-1-8)
 Max Grav H=1228 (LC 4), K=864 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-L=-1594/0, C-L=-1594/0, C-M=-1594/0, D-M=-1594/0, D-E=-1594/0, E-F=-1374/0
 BOT CHORD J-K=0/944, I-J=0/1594, H-I=0/1374
 WEBS B-K=-1229/0, B-J=0/931, F-H=-1788/0, E-I=0/313, C-J=-563/0

NOTES

- Unbalanced floor live loads have been considered for this design.
- Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-4 from the left end to 5-10-4 to connect truss(es) F11 (1 ply 2x4 SP), F12 (1 ply 2x4 SP) to back face of top chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (lb/ft)
 Vert: H-K=-10, A-G=-100
 Concentrated Loads (lb)
 Vert: E=-766, L=-177, M=-177